

Python

70

Binary Language

CPU

Programming Language

Binary Language

CPU

Compiler / Interpreter

(2) + (3)

010 011

101

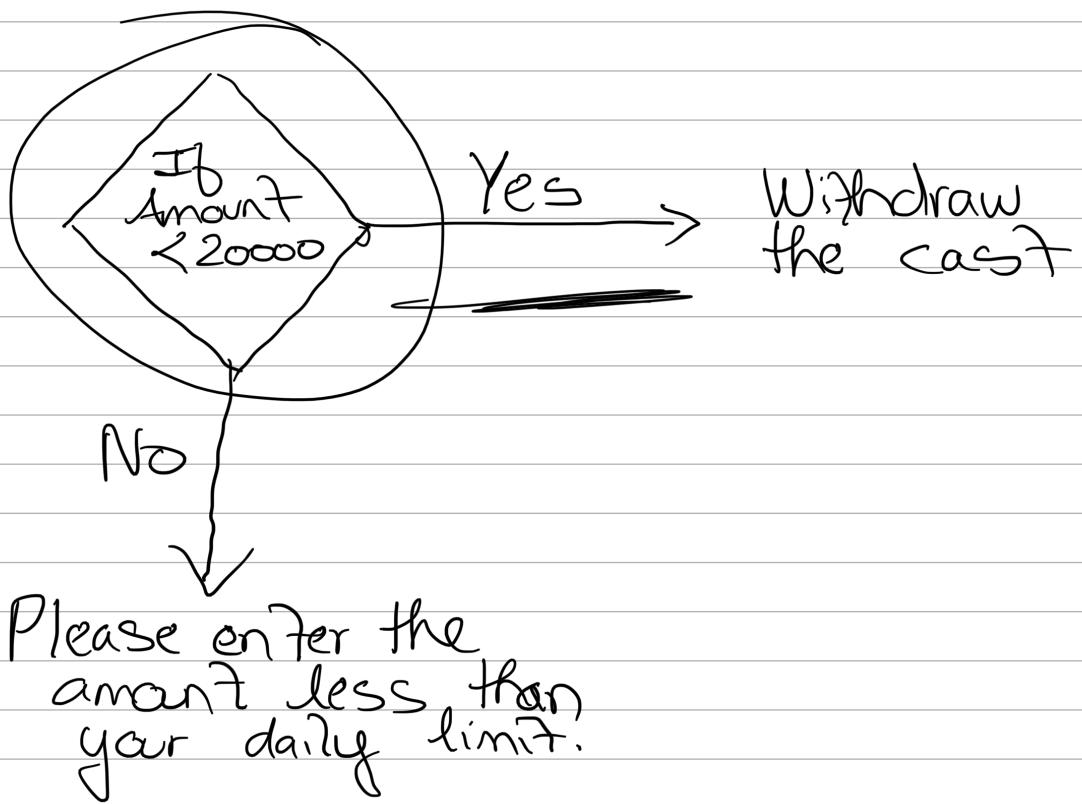
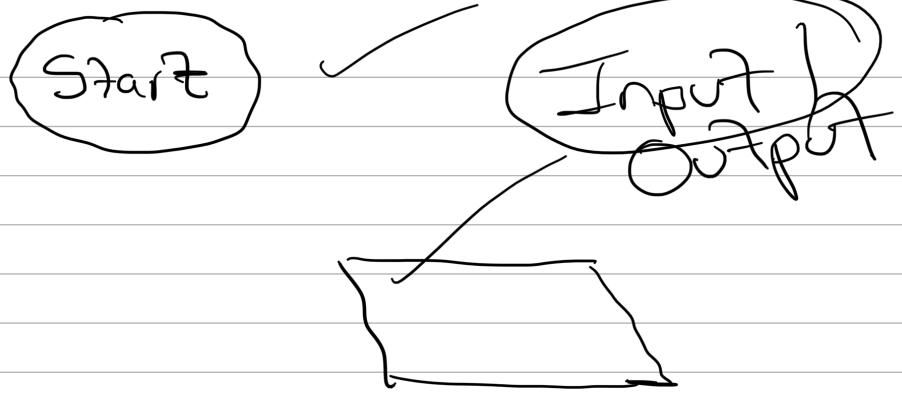
2 + 3

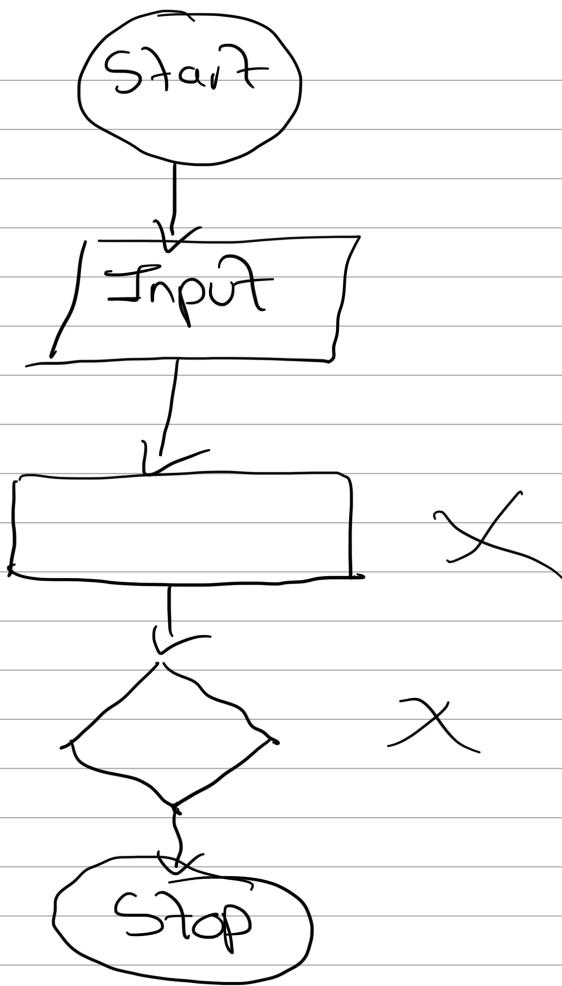
5

Flowchart

→ Flowchart is a graphical representation of an algorithm.

→ We can use flowcharts to plan how to solve the coding problem.





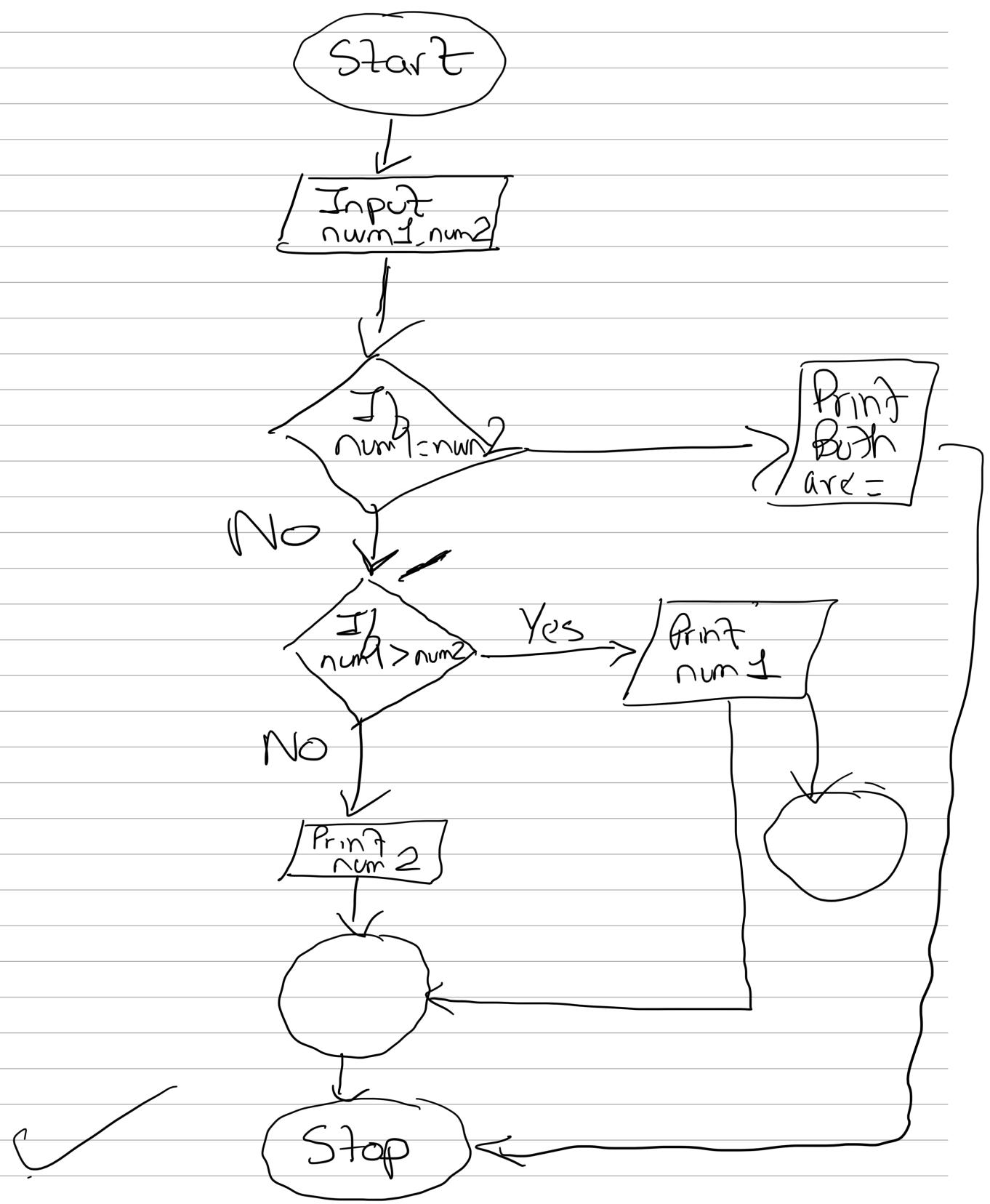
$$a = 3$$

$$b = 5$$

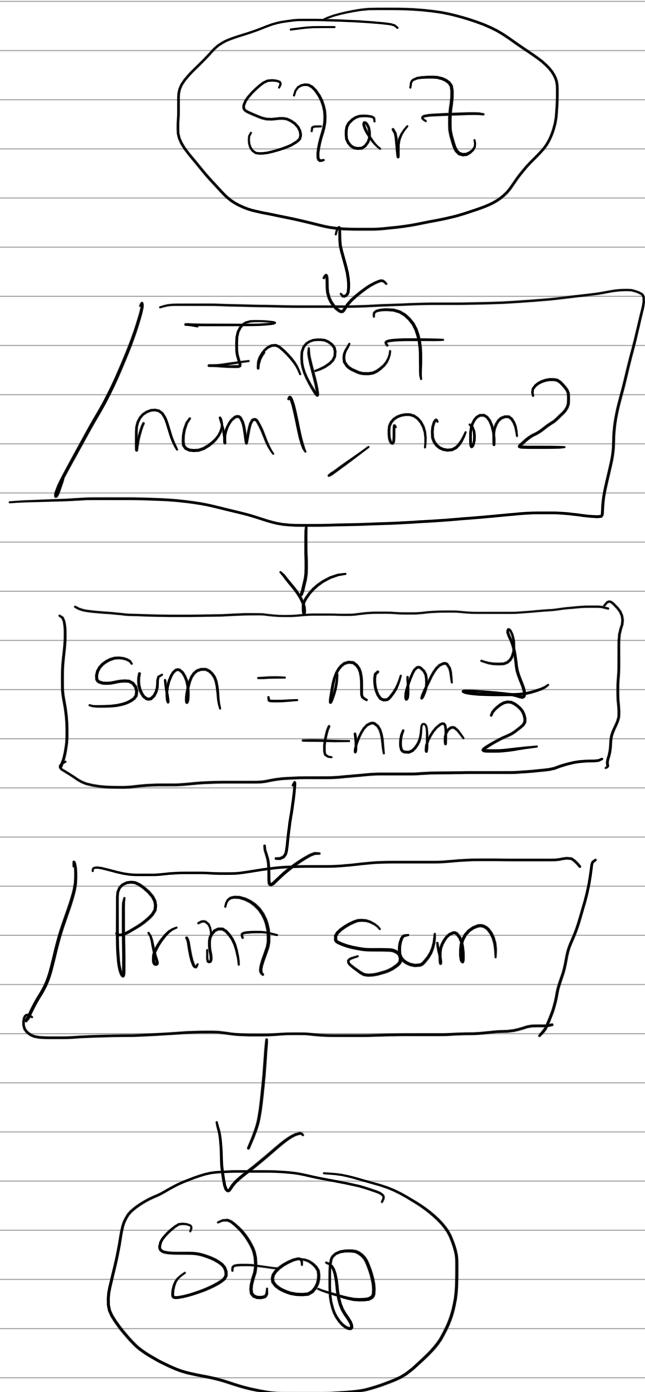
① Find the greatest out of 2 numbers

$$5 > 3$$

=



Add 2 numbers entered by the user.

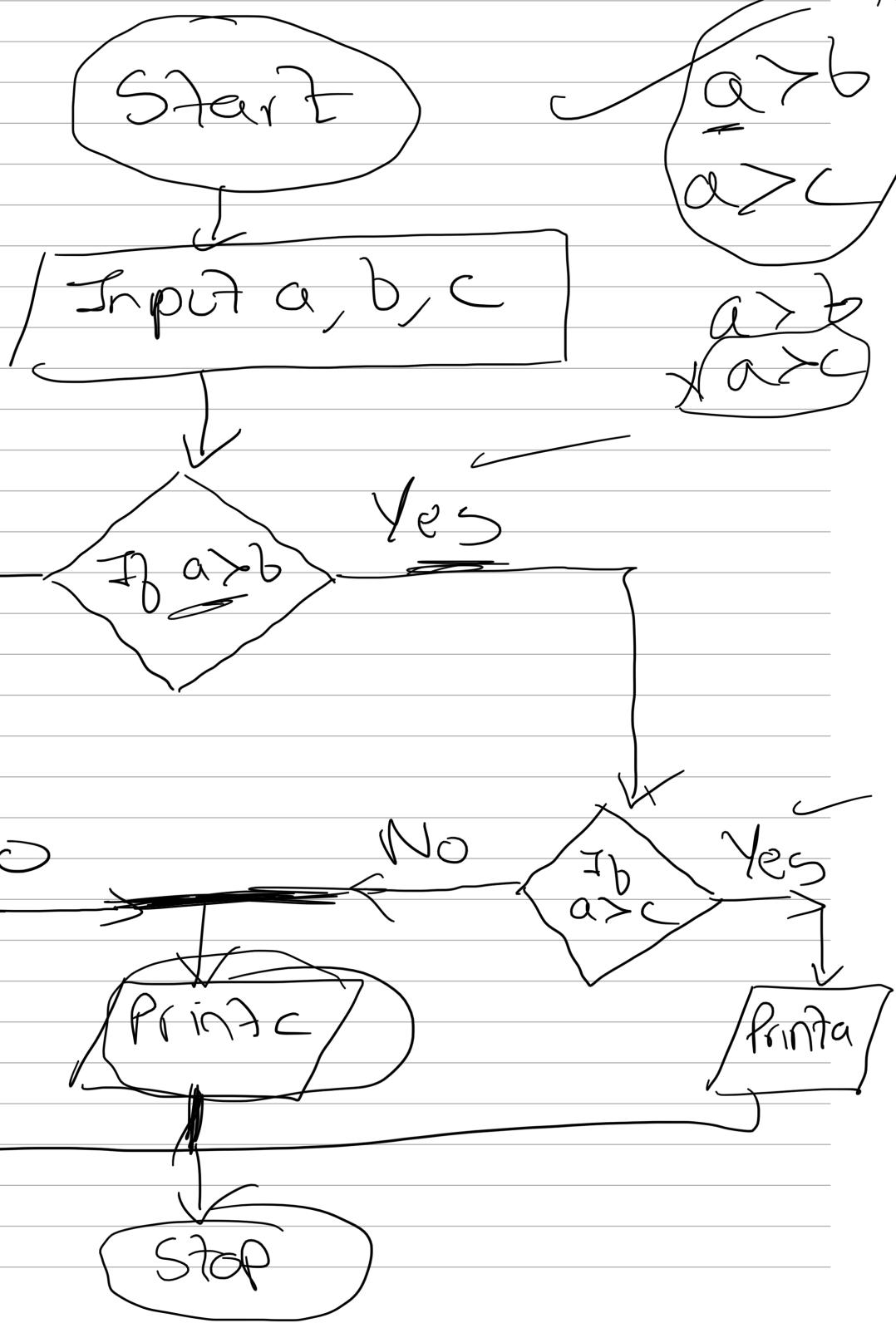


Q. Find the greatest no
out of 3 numbers?

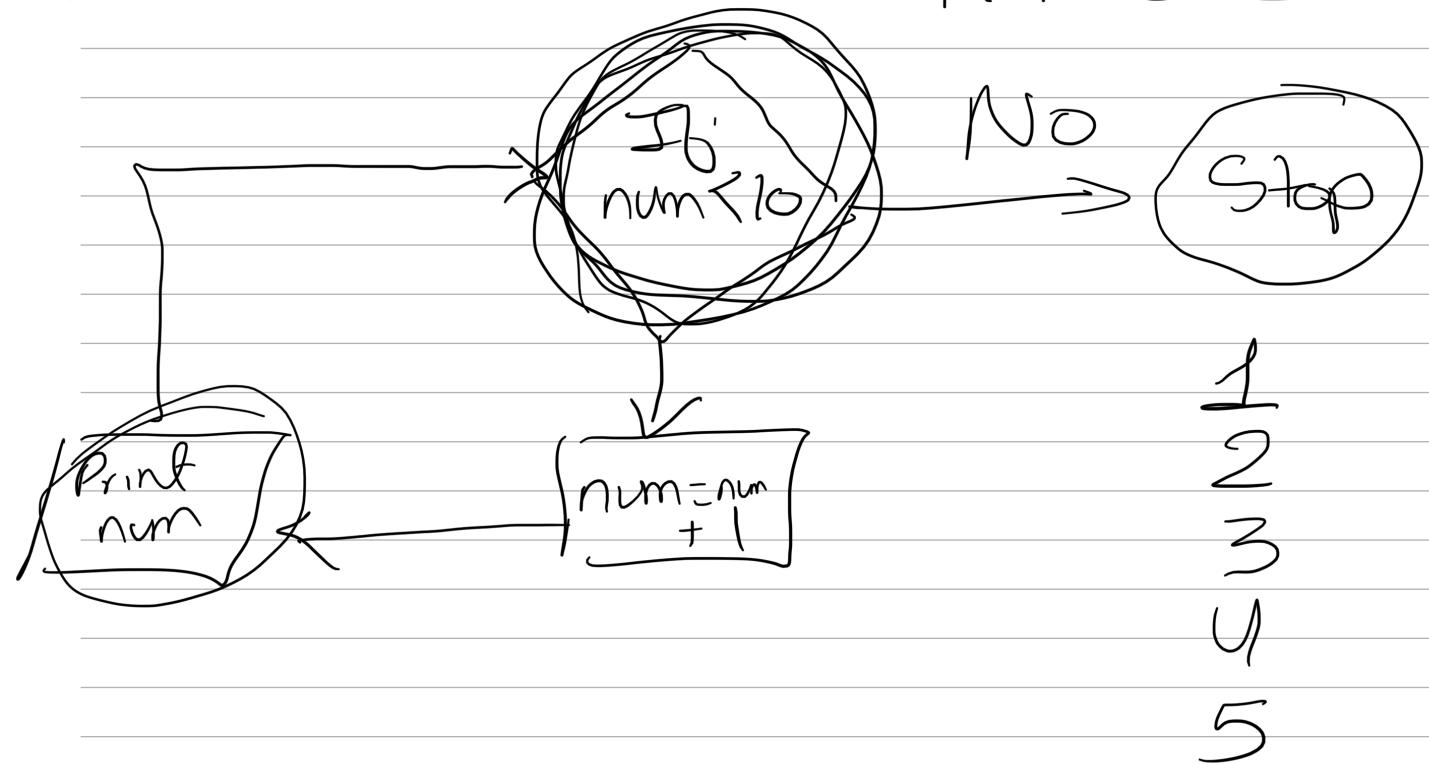
a
3

b
2

c
7



num = 1



Q Check whether the no
is a Prime or not.

X 1 2 3 4 5 6 7 8 9

2

3

4 X

5

6 X

1
a = 2

a = 2

a = 2

a = 2

a = 3
a = 2

False

%

$$5 \div 2 \quad 2 \overline{)5}$$

1

11%3

$3 \overline{) 11 }$
9
~~2~~

3%3

→ Prime no

1. 1 is not a prime no

2. Prime no \nmid No-7sel } = 0

→ 2 3 1

i=2

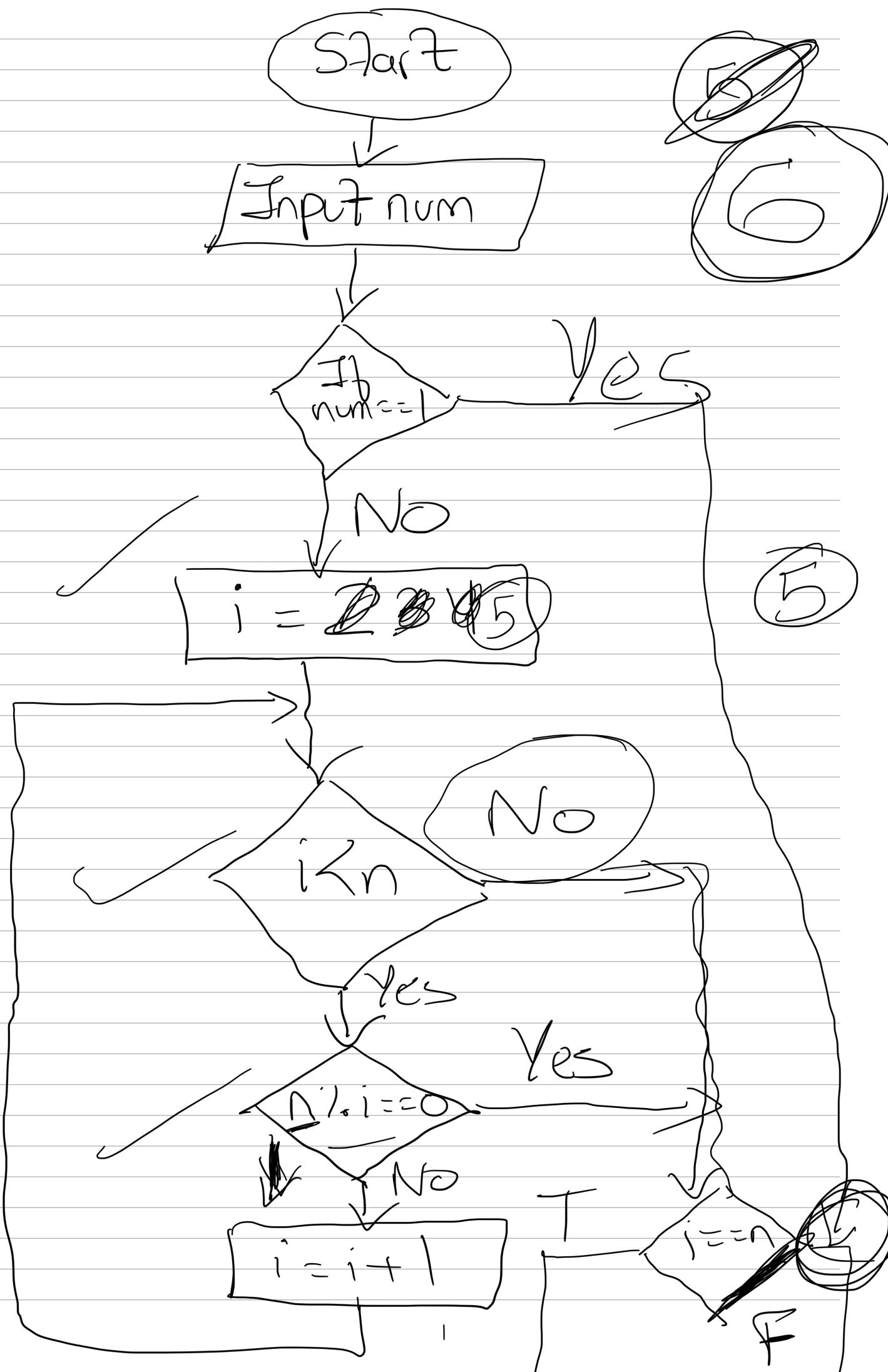
5

$5 \nmid i = 0$

5%3

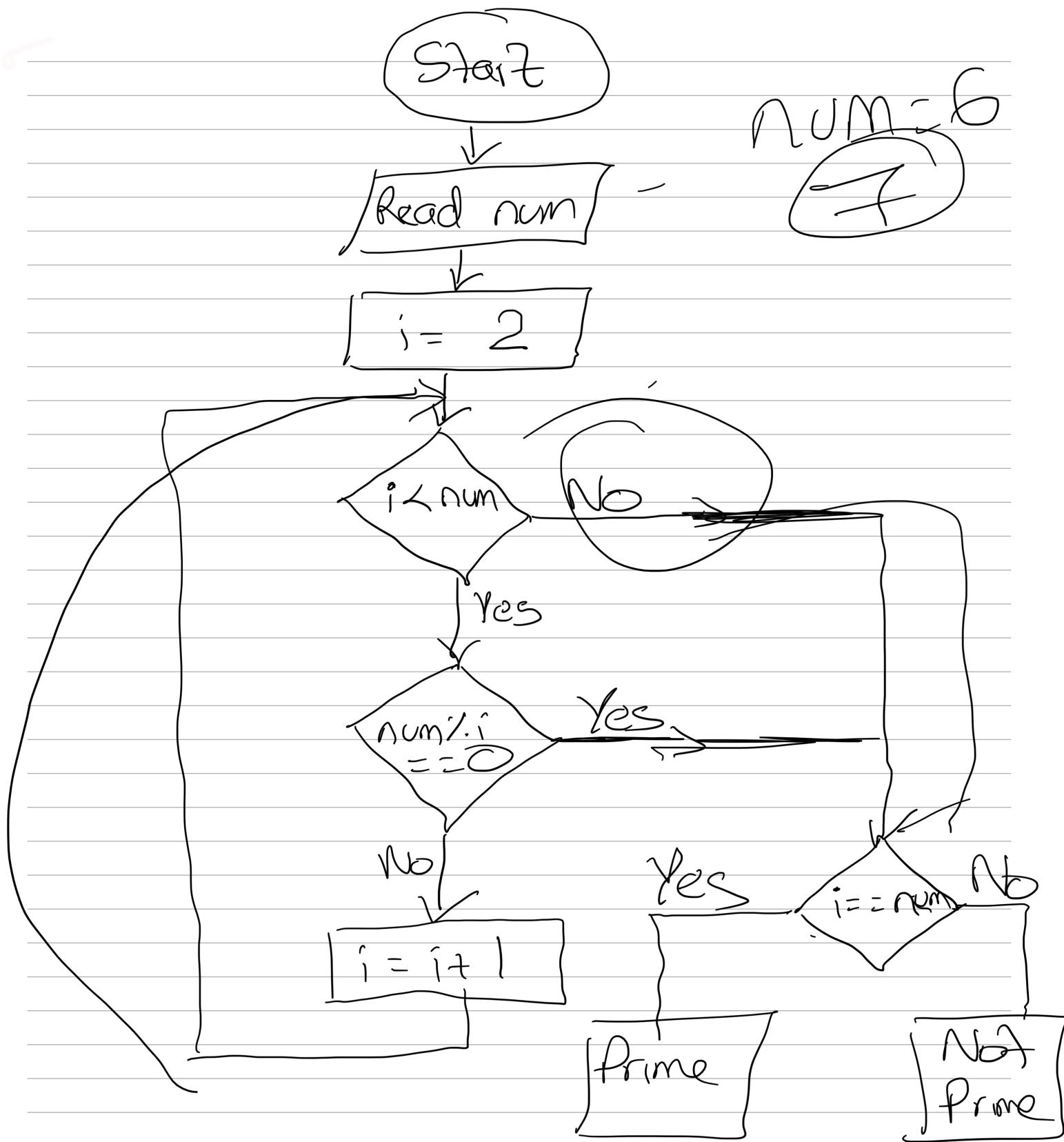
5%4

num=6



✓
Print Prime

✗
Print No



num = ~~6~~ ~~7~~

i = ~~2 3 4 5 6~~
~~7~~

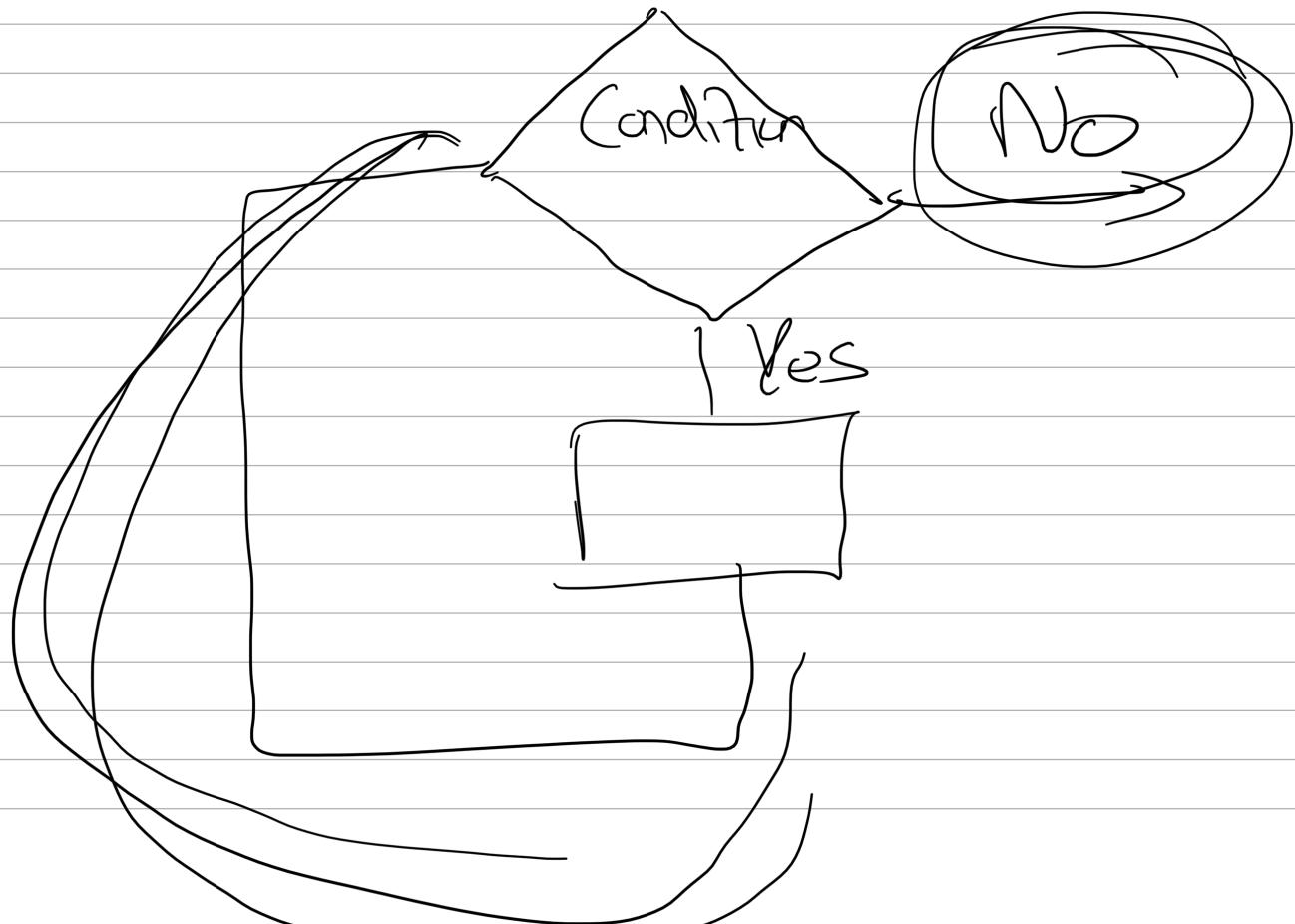
0 3 4 5 6 7

2 3 4 5 6 7 8 9

Write a program to find
reverse of a number.

123 → 321

487 → 784



$$\textcircled{123} \rightarrow \textcircled{\cancel{3}\cancel{2}\underline{1}}$$

$$12\textcircled{3} \quad | \quad 123 \cdot 10 = 3$$

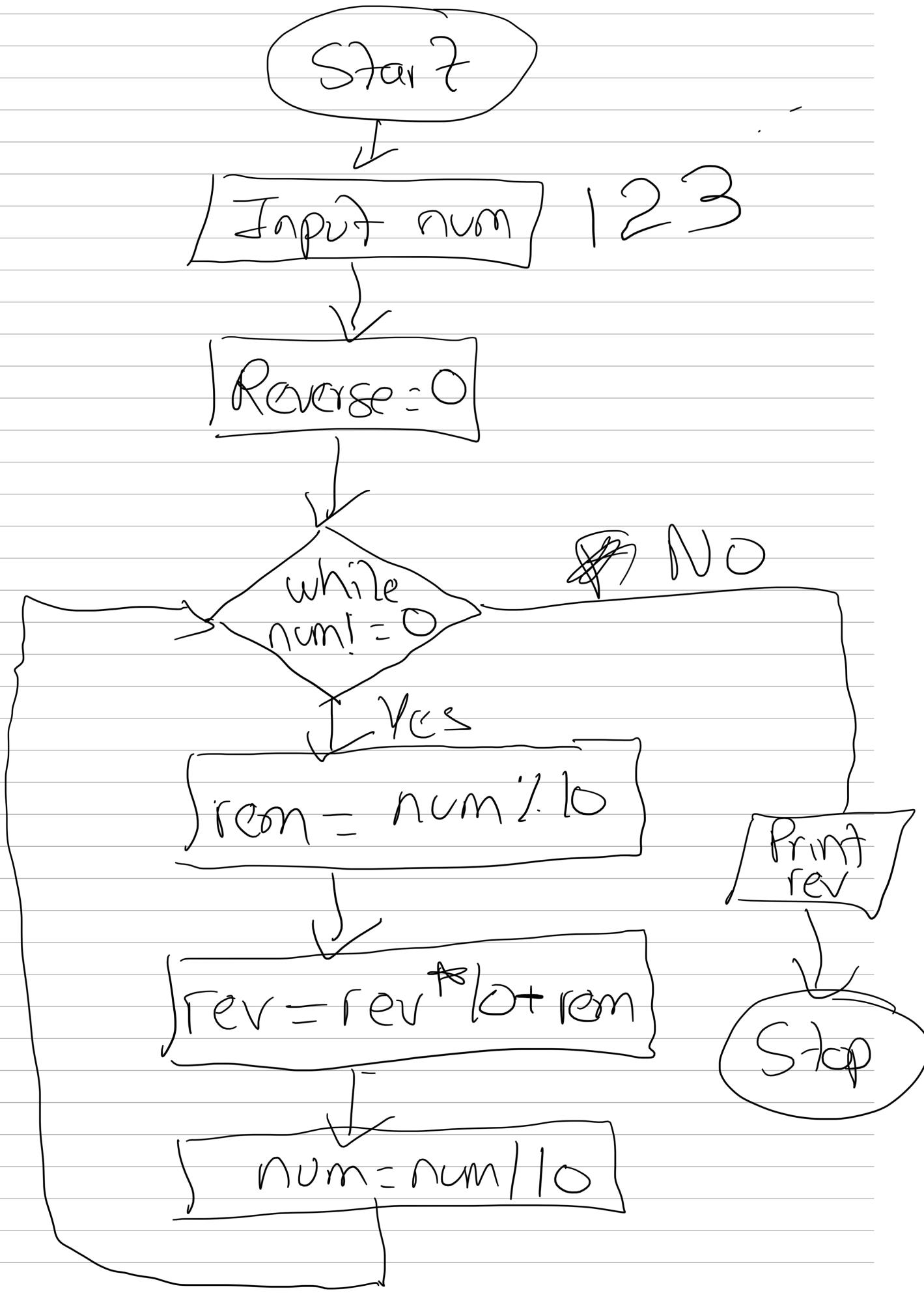
$123 \cdot 10 = 3$

$$12 = 12 \cdot 10 + 2$$

$12 \cdot 10 = 30$

$30 + 2 = 32$

$32 \cdot 10 + 1 = 321$



Reverse = ~~32~~¹⁰ + 1

$$\text{LCM} = 1 \cdot 10 = 10$$

num = ~~123~~ ~~10~~

$$1 - 0$$

